

Converting Colors

$Yxy(24.2679, 0.2188, 0.3077)$

Have a look what the booklet for
Yxy(24.2679, 0.2188, 0.3077)
contains.

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Color

Yxy(24.3859, 0.2188, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	0096A1
RGB	0, 150, 161
RGB Percent	0%, 59%, 63%
CMY	1.0000, 0.4117, 0.3687
CMYK	1.00, 0.07, 0.00, 0.37
HSL	184°, 100%, 32%
HSV	184°, 100%, 63%
XYZ	17.3347, 24.3859, 37.5058
YIQ	106.4040, -92.9310, -28.3790

Conversions

Conversions Part 2

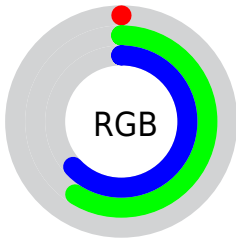
Format	Color
RYB	0, 78, 161
Decimal	38561
CIELab	56.47, -28.83, -15.25
CIELCh	56, 32.613, 207.872
Yxy	24.3859, 0.2188, 0.3078
Android (android.graphics.Color)	4278228641 (0xFF0096A1)
YUV	106.4040, 26.9158, -93.3163
Hunter-Lab	49.3821, -23.7592, -10.4634

Details

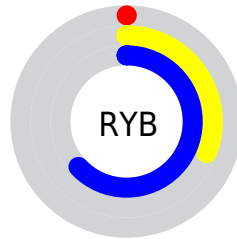
The Yxy color **24.3859, 0.2188, 0.3078** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.8147, 0.6343, 0.3346**, and the grayscale version is **14.4751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8447, 0.2377, 0.3136**, and **10.0278, 0.2171, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **24.3892, 0.2188, 0.3078**, and if you desaturate by 10%, it is **24.8523, 0.2212, 0.3100**.

Distribution



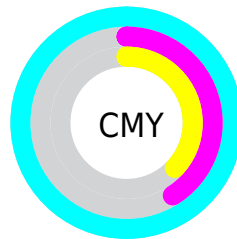
- Red (0%)
- Green (59%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (41%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3859, 0.2188, 0.3078 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.3859, 0.2188, 0.3078 by changing the saturation by 10% instead.


 24.3859, 0.2188,
0.3078


 24.3859, 0.2188,
0.3078


274.7657, 0.2690,
0.3211


 15.6201, 0.2053,
0.3034


 50.6592, 0.2378,
0.3134

 9.2558, 0.1874,
0.2969


 68.9355, 0.2447,
0.3153


 4.9084, 0.1629,
0.2866

 91.1508, 0.2505,
0.3167

 2.1936, 0.1280,
0.2689

 117.6895, 0.2553,
0.3179

 0.7165, 0.0000,
0.2506

 148.9359, 0.2595,
0.3189

 0.0000, 0.0000,
0.0000

 185.2745, 0.2631,

0.3198

227.0896, 0.2663,
0.3205

■ 24.3859, 0.2188,
0.3078

■ 24.3859, 0.2188,
0.3078

■ 24.3892, 0.2188,
0.3078

■ 24.8523, 0.2212,
0.3100

■ 25.4068, 0.2249,
0.3123

■ 26.0908, 0.2304,
0.3146

■ 26.9204, 0.2377,
0.3169

■ 27.9094, 0.2468,
0.3191

■ 29.0700, 0.2576,
0.3213

■ 30.4131, 0.2699,
0.3234

■ 31.9488, 0.2833,
0.3254

■ 33.6863, 0.2977,
0.3273

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.3859, 0.2492, 0.3649



24.3859, 0.2188, 0.3078



24.3859, 0.2117, 0.2643

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.3859, 0.2188, 0.3078



24.3859, 0.3197, 0.2609



24.3859, 0.4004, 0.4164

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.3859, 0.2188, 0.3078



7.8147, 0.6343, 0.3346

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.3859, 0.4246, 0.3799



24.3859, 0.2188, 0.3078



24.3859, 0.3764, 0.2940

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.3859, 0.2188, 0.3078



24.3859, 0.2657, 0.2423



24.3859, 0.4163, 0.3361



24.3859, 0.3535, 0.4322

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.3859, 0.2188, 0.3078



24.3859, 0.2200, 0.2474



24.3859, 0.4163, 0.3361



24.3859, 0.4116, 0.4058

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.3892, 0.2188, 0.3078



54.3313, 0.2691, 0.3233



25.5093, 0.2986, 0.5951



11.7004, 0.2642, 0.3225



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3892, 0.2188, 0.3078



43.5681, 0.2187, 0.3074



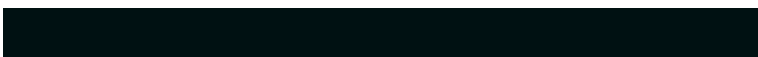
6.9234, 0.1717, 0.1381



7.9282, 0.2988, 0.3274



19.5060, 0.2189, 0.3080



0.4328, 0.2212, 0.3161

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.7783, 0.3386, 0.1639



17.5029, 0.3390, 0.1641



15.0969, 0.5200, 0.4253



7.1938, 0.3147, 0.3083



7.8133, 0.3384, 0.1638



0.1665, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 24.3859, 0.2188, 0.3078 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 24.3859, 0.2188, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

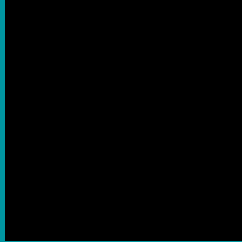
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3859, 0.2188, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 24.3859, 0.2188, 0.3078.

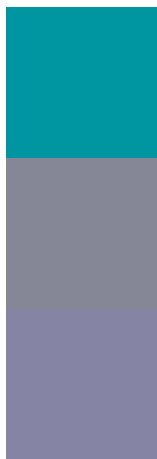


This preview shows how white text looks on a background with the Yxy color 24.3859, 0.2188, 0.3078.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

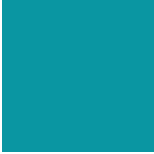
24.3859, 0.2188, 0.3078

Protanopia

24.2387, 0.2955, 0.3021

Deuteranopia

24.2057, 0.2812, 0.2754



Tritanopia

24.4859, 0.2194, 0.3060

Trichromacy



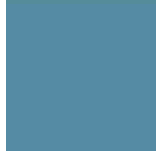
Original Color

24.3859, 0.2188, 0.3078



Protanomaly

23.0206, 0.2495, 0.3029



Deuteranomaly

23.0769, 0.2421, 0.2839



Tritanomaly

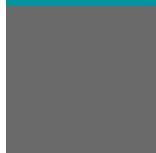
24.4600, 0.2189, 0.3060

Monochromacy



Original Color

24.3859, 0.2188, 0.3078



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.6187, 0.2512, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3859, 0.2188, 0.3078 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 150, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 161)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 150, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 161) }
```

Border

The CSS property to change the border of an element to Yxy 24.3859, 0.2188, 0.3078 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 150, 161) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 150, 161) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 150, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3859, 0.2188, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 161) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 150,  
161) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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